



# CEB Shaker Assembly

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## TOOLS:

- [Allen wrench \(1\)](#)
- [various wrenches \(1\)](#)

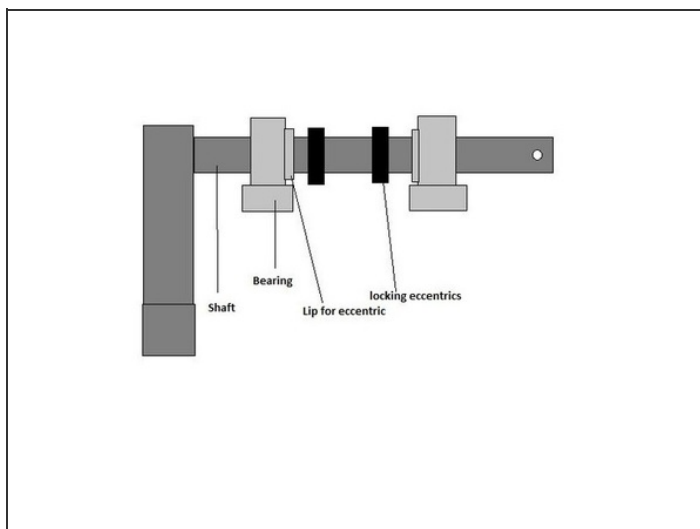
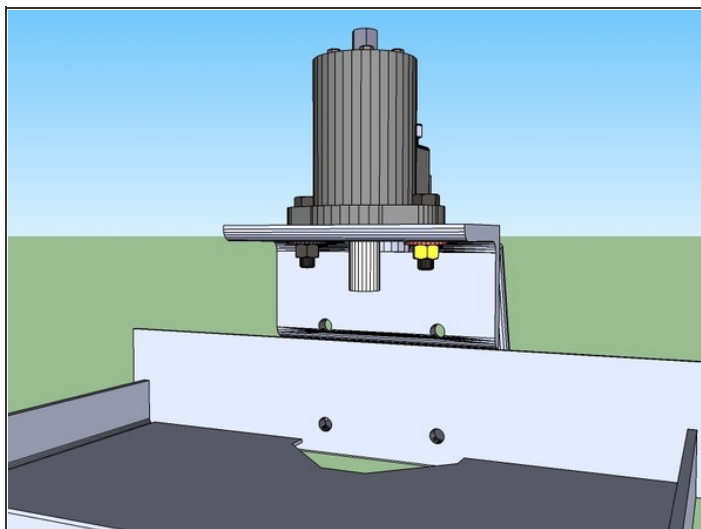
## SUMMARY

[Sketchup Model](#)

Additional Materials Required:

- Shaker Mount
- Shaker Motor
- Shaker Hammer and coupler
- 1" Pillow Block Bearings(2)
- 1/4"x2" Bolt (1)
- 3/8"x2" Bolts (4)
- 1/2"x2" Bolts (2)
- 3/8" Lock Nuts (4)
- 1/2" Lock Nuts (2)
- 3/8" Washers (8)
- 3/8" Lock Washers (4)
- 1/2" Washers (4)
- 1/2" Lock Washers (4)

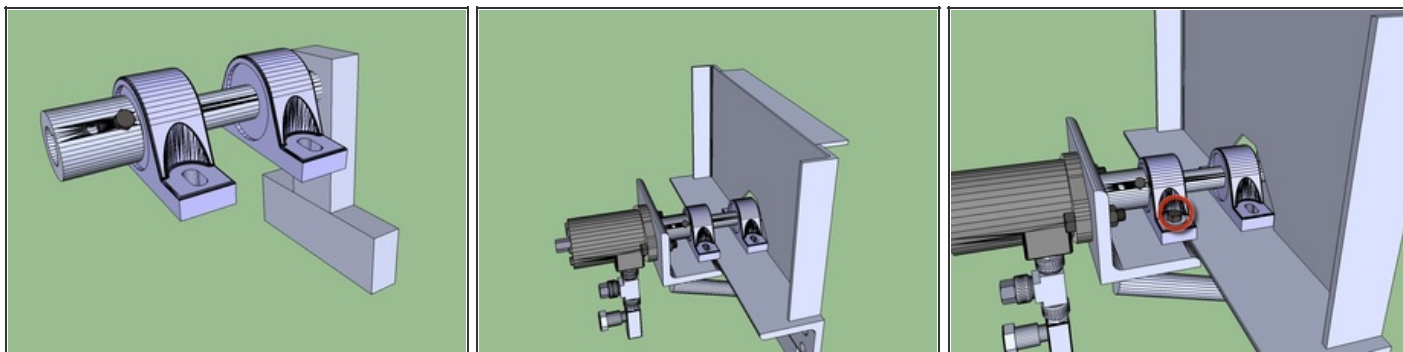
## Step 1 — CEB Shaker Assembly



- Loosely bolt the assembled motor to the mount, as shown, using washers on both sides, and a lock washer touching the nut.
- Put the bearings onto the shaft, ensuring that the eccentric side is facing inwards.
  - Remember to put the eccentrics in between the two bearings.
  - The eccentrics are little collars with lopsided circles inside of them. This makes it so they can lock into the bearings.
  - Ensure that both collars are facing the right direction (so they will lock onto the lip) and that the bearings are also.

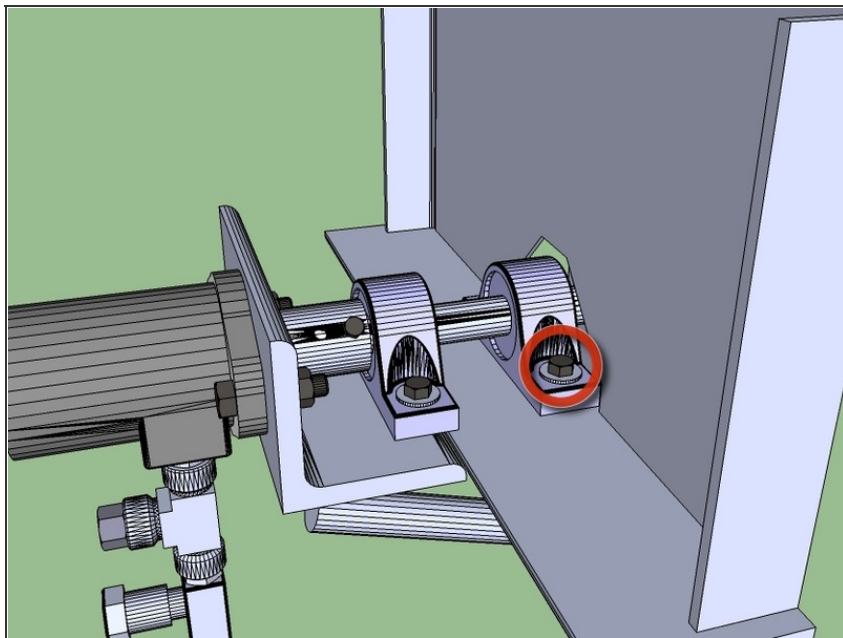


## Step 2



- Put the coupler onto the shaft.
  - Make sure you can see thru the holes (it could be off 180 degrees and a little crooked), then put on the bolt, lock washer, and lock nut. Tighten.
- Couple it to the motor, tightening down the set screw.
- Tighten the motor mount bolts.
- Bolt the bearing closest to the motor to the mount with a washer, a lock washer, and a lock nut. Tighten these down.

### Step 3



- Ensure that the hammer rotates freely still.
- It may require some force, but shouldn't need much.
- If the hammer won't rotate, loosen the motor mount bolts, retighten them, and recheck it.
- Position the other bearing and tighten it down, still ensuring that it will rotate without much force.
- Lock the eccentrics by pushing them towards the lip on the bearing and twisting it.
- Tighten the set screw on the eccentrics.

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